Page 9, line 4, insert --BRIEF DESCRIPTION OF THE

DRAWINGS--;

line 24, insert --DETAILED DESCRIPTION OF THE

INVENTION--

IN THE CLAIMS

Page 22, line 1, delete "Claims" insert --What is claimed

is:--

Please amend claims 3, 6, 7, 11, 15, 16, 18, 21, 22 and

24 as follows:

3.   (Amended) A method according to claim 1, [or 2]

wherein the method further comprises: [the step of]

weighting the respective cost parameters.

6.   (Amended) A method according to [any one of the

preceding claims] claim 1, wherein the cost parameters are

selected from one or more of the group including power

efficiency, spectral efficiency, bit error rate, AFC, Nyquist,

and energy.

7.   (Amended) A pulse function generator for converting

a data stream in accordance with a pulse function shaped in

accordance with the relationship defined by the method of [any

preceding] claim 1.

11.   (Amended) A transceiver for a communication device comprising a modulator in accordance with [any one of claims] claim 8 [to 10] and a demodulator.

15.   (Amended) A modulator [is] as claimed in claim 13 [or 14], wherein the modulation scheme is MSK.

16.   (Amended) A modulator as claimed in claim 13 [or 14], wherein the modulation scheme is MSK.

18.   (Amended) A dual mode communication device operable in a first mode when a first set of cost parameters are desired and in a second mode when a second set of cost parameters are desired, the radiotelephone comprising:

a first pulse function generator for converting a data stream in accordance with a pulse function shaped in dependence on the first set of desired cost parameters;

a second pulse function generator for converting a data stream in accordance with a pulse function shaped in dependence on the second set of desired cost parameters; and

means for selecting the pulse function generator in accordance with the mode of operation of the phone[;]‗

wherein at least one of the pulse functions is shaped in accordance with the relationship defined by the method of [any of claims 1-6) <u>claim 1</u>.

21.   (Amended) A communication device as claimed in [any of claims] <u>claim</u> 18 [to 21], operable in a TDMA telecommunications system.

22.   (Amended) A communication device as claimed in [any of claims] <u>claim</u> 18 [to 20], wherein the first pulse function generator generates a pulse of Gaussian shape.

24.   (Amended) A method for selecting a modulation scheme for a communication system, the method comprising:

defining a pulse function for a first modulation scheme in accordance with the method as claimed in [any of claims] <u>claim</u> 1 [to 7];

defining a pulse function for a second modulation scheme for the same desired cost parameters;

determining the resultant cost parameters for each scheme; and

selecting the modulation scheme which gives good resultant cost parameters given the desired ones.